

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1. (Currently Amended) A ~~recording~~ computer readable medium having a data structure for managing reproduction of still images, comprising:

a data area storing presentation data in a first clip file and audio data in a second clip file, the presentation data being divided into a number of still picture units, each still picture unit including at least one still picture and associated related data, the related data not including audio data; and

a navigation area storing at least one playlist, the playlist including at least one playitem and at least one sub-playitem, the playitem providing navigation information for reproducing the presentation data from the first clip file, the sub-playitem providing navigation information for reproducing the audio data from the second clip file.

2. (Currently Amended) The ~~recording~~ computer readable medium of claim 1, wherein the related data in at least one still picture unit includes graphics data and/or subtitle data.

3. (Canceled)

4. (Currently Amended) The ~~recording~~ computer readable medium of claim 1, wherein the presentation data is multiplexed into a transport stream.

5. (Currently Amended) The ~~recording~~ computer readable medium of claim 4, wherein the presentation data is multiplexed into a transport stream on a still picture unit by still picture unit basis.

6. (Currently Amended) The ~~recording~~ computer readable medium of claim 5, wherein each still picture unit is aligned with a physical recording unit of the recording medium.

7. (Currently Amended) The ~~recording~~ computer readable medium of claim 6, wherein the recording medium is an optical disk and the physical recording unit is one of a sector and an error correction code block.

8. (Currently Amended) The ~~recording~~ computer readable medium of claim 6, wherein at least one physical recording unit not filled by the associated still picture unit is filled with stuffed data.

9. (Currently Amended) The ~~recording~~ computer readable medium of claim 5, ~~further comprising:~~

~~at least one navigation~~ wherein the navigation area ~~including~~ includes a clip information file, the clip information file including at least one entry point map, the entry point map including at least one entry point providing at least an address of a still picture in the transport stream.

10. (Currently Amended) The ~~recording~~ computer readable medium of claim [[5]] 9, wherein the entry point map includes an entry point associated with each still picture unit.

11. (Canceled)

12. (Canceled)

13. (Currently Amended) The ~~recording~~ computer readable medium of claim [[12]] 1, wherein each still picture unit includes one packet from each packetized elementary stream.

14. (Canceled)

15. (Canceled)

16. (Currently Amended) The ~~recording~~ computer readable medium of claim 1, wherein each still picture unit includes only one still picture.

17. (Canceled)

18. (Canceled)

19. (Original) A method of recording a data structure for managing reproduction of at least one still image on a recording medium, comprising:

recording presentation data on the recording medium, the presentation data being divided into a number of still picture units, each still picture unit including at least one still picture and associated related data, the related data not including audio data.

20. (Original) A method of reproducing a data structure for managing reproduction of at least one still image recorded on a recording medium, comprising:

reproducing presentation data from the recording medium, the presentation data being divided into a number of still picture units, each still picture unit including at least one still picture and associated related data, the related data not including audio data.

21. (Currently Amended) An apparatus for recording a data structure for managing reproduction of at least one still image on a recording medium, comprising:

~~a driver for driving~~ an optical recording device configured to record data on the recording medium;

~~a controller for controlling the driver~~ configured to control the optical recording device to record presentation data on the recording medium, the presentation data being divided into a number of still picture units, each still picture unit including at least one still picture and associated related data, the related data not including audio data.

22. (Currently Amended) An apparatus for reproducing a data structure for managing reproduction of at least one still image recorded on a recording medium, comprising:

~~a driver for driving~~ an optical reproducing device configured to reproduce data recorded on the recording medium;

~~a controller for controlling the driver configured to control the optical reproducing device~~ to reproduce presentation data from the recording medium, the presentation data being divided into a number of still picture units, each still picture unit including at least one still picture and associated related data, the related data not including audio data.

23. (New) The method of claim 19, wherein the related data in at least one still picture unit includes graphics data and/or subtitle data.

24. (New) The method of claim 19, wherein the presentation data is multiplexed into a transport stream.

25. (New) The method of claim 24, wherein each still picture unit is aligned with a physical recording unit of the recording medium.

26. (New) The method of claim 25, wherein the recording medium is an optical disk and the physical recording unit is one of a sector and an error correction code block.

27. (New) The method of claim 25, wherein at least one physical recording unit not filled by the associated still picture unit is filled with stuffed data.

28. (New) The method of claim 24 further comprising recording a clip information file in a navigation area of the recording medium, the clip information file including at least one entry point map, the entry point map including at least one entry point providing at least an address of a still picture in the transport stream.

29. (New) The method of claim 28, wherein the entry point map includes an entry point associated with each still picture unit.

30. (New) The method of claim 19, wherein each still picture unit includes only one still picture.

31. (New) The method of claim 20, wherein the related data in at least one still picture unit includes graphics data and/or subtitle data.
32. (New) The method of claim 20, wherein the presentation data is multiplexed into a transport stream.
33. (New) The method of claim 32, wherein each still picture unit is aligned with a physical recording unit of the recording medium.
34. (New) The method of claim 33, wherein the recording medium is an optical disk and the physical recording unit is one of a sector and an error correction code block.
35. (New) The method of claim 33, wherein at least one physical recording unit not filled by the associated still picture unit is filled with stuffed data.
36. (New) The method of claim 32 further comprising reproducing a clip information file from a navigation area of the recording medium, the clip information file including at least one entry point map, the entry point map including at least one entry point providing at least an address of a still picture in the transport stream.
37. (New) The method of claim 36, wherein the entry point map includes an entry point associated with each still picture unit.
38. (New) The method of claim 20, wherein each still picture unit includes only one still picture.
39. (New) The apparatus of claim 21, wherein the related data in at least one still picture unit includes graphics data and/or subtitle data.
40. (New) The apparatus of claim 21, wherein the presentation data is multiplexed into a transport stream.

41. (New) The apparatus of claim 40, wherein each still picture unit is aligned with a physical recording unit of the recording medium.

42. (New) The apparatus of claim 41, wherein the recording medium is an optical disk and the physical recording unit is one of a sector and an error correction code block.

43. (New) The apparatus of claim 41, wherein at least one physical recording unit not filled by the associated still picture unit is filled with stuffed data.

44. (New) The apparatus of claim 40, wherein the controller is configured to control the optical recording device to record at least a clip information file in a navigation area of the recording medium, the clip information file including at least one entry point map, the entry point map including at least one entry point providing at least an address of a still picture in the transport stream.

45. (New) The apparatus of claim 44, wherein the entry point map includes an entry point associated with each still picture unit.

46. (New) The apparatus of claim 21, wherein each still picture unit includes only one still picture.

47. (New) The apparatus of claim 22, wherein the related data in at least one still picture unit includes graphics data and/or subtitle data.

48. (New) The apparatus of claim 22, wherein the presentation data is multiplexed into a transport stream.

49. (New) The apparatus of claim 48, wherein each still picture unit is aligned with a physical recording unit of the recording medium.

50. (New) The apparatus of claim 49, wherein the recording medium is an optical disk and the physical recording unit is one of a sector and an error correction code block.

51. (New) The apparatus of claim 49, wherein at least one physical recording unit not filled by the associated still picture unit is filled with stuffed data.

52. (New) The apparatus of claim 48 wherein the controller is configured to control the optical reproducing device to reproduce at least a clip information file in a navigation area of the recording medium, the clip information file including at least one entry point map, the entry point map including at least one entry point providing at least an address of a still picture in the transport stream.

53. (New) The apparatus of claim 52, wherein the entry point map includes an entry point associated with each still picture unit.

54. (New) The apparatus of claim 22, wherein each still picture unit includes only one still picture.